

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ELECTRICAL/OPTICAL INTEGRATION SCHEME USING DIRECT COPPER BONDING**

the specification of which is attached hereto unless the following is entered:

was filed on	as United States Application Number or PCT International Application Number	and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR ' 1.56.

**PRIOR FOREIGN APPLICATION(S)**

I hereby claim foreign priority benefits under 35 USC ' 119(a-d) or ' 365(b) of any foreign application(s) for patent or inventor=s certificate, or ' 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application(s) for patent or inventor=s certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application Number	Country	Filing Date (day/month/year)	Priority Not Claimed

**PROVISIONAL APPLICATION(S)**

I hereby claim the benefit under 35 USC ' 119(e) of any United States provisional application(s) listed below:

Application Number	Filing Date

**PRIOR UNITED STATES APPLICATION(S)**

I hereby claim the benefit under 35 USC ' 120 of any United States application(s), or ' 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 USC ' 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR ' 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

Application Number	Filing Date	Status (patented, pending, abandoned)

**POWER OF ATTORNEY**

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

John C. Altmiller (Reg. No. 25,951); Shawn W. O=Dowd (Reg. No. 34,687); B. Delano Jordan (Reg. No. 43,698) of KENYON & KENYON with offices located at 1500 AKe Street NW, Suite 700, Washington, DC, 20005-1257, telephone (202) 220-4200, and at 333 W. San Carlos Street, Suite 600, San Jose, CA, 95110-2711, telephone (408) 975-7500;

and Alan K. Aldous (#31,905); R. Edward Brake (#37,784); Ben Burge (#42,372); Jeffrey S. Draeger (#41,000); Cynthia Thomas Faatz (#39,973); John N. Greaves (#40,362); Seth Z. Kalson (#40,670); David J. Kaplan (#41,105); Peter Lam (#44,855); Charles A. Mirho (#41,199); Leo V. Novakoski (#37,198); Thomas C. Reynolds (#32,488); Kenneth M. Seddon (#43,105); Mark Seeley (#32,299); Steven P. Skabrat (#36,279); Howard A. Skaist (#36,008); Gene I. Su (#45,140); Calvin E. Wells (#43,256); Raymond J. Werner (#34,752); Robert G. Winkle (#37,474); and Charles K. Young (#39,435) of INTEL CORPORATION.

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (Cont.)

Direct telephone calls to:

B. Delano Jordan  
(202) 220-4275



**23838**  
PATENT TRADEMARK OFFICE

Send correspondence to:

KENYON & KENYON  
333 W. San Carlos, Street, Suite 600  
San Jose, CA 95110-2711

I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

<b>Full name of first or sole inventor</b>	Last Name <b>GILROY J.</b>	First Name <b>VANDENTOP</b>	Middle Name
Residence	City <b>TEMPE</b>	State or Country <b>AZ</b>	Country of Citizenship <b>USA</b>
Post Office Address	Street <b>7742 S. GRANDVIEW AVE.</b>	City <b>TEMPE</b>	State or Country & Zip Code <b>AZ 85284</b>
Signature <i>Gilroy J. Van der Pijp</i>		Date <b>12/14/2001</b>	
<b>Full name of second inventor</b>	Last Name <b>ZHENG</b>	First Name <b>JUN-FEI</b>	Middle Name
Residence	City <b>PALO ALTO</b>	State or Country <b>CA</b>	Country of Citizenship <b>USA</b>
Post Office Address	Street <b>662 LOMA VERDE AVE.</b>	City <b>PALO ALTO</b>	State or Country & Zip Code <b>CA 94306</b>
Signature <i>Jun-Fei Zheng</i>		Date <b>12/18/2001</b>	
<b>Full name of third inventor</b>	Last Name	First Name	Middle Name
Residence	City	State or Country	Country of Citizenship
Post Office Address	Street	City	State or Country & Zip Code
Signature		Date	
<b>Full name of fourth inventor</b>	Last Name	First Name	Middle Name
Residence	City	State or Country	Country of Citizenship
Post Office Address	Street	City	State or Country & Zip Code
Signature		Date	